

## Method and installation for the production of hot-rolled strip having a dual-phase structure

### Results of industrial test program

Industrial test production heat	Sample no.	Hot strip thickness	Hot strip width	strip temperature after last annealing stand	Delivery speed	Holding time	Cooling Tailing	Mechanical properties		Transverse sample plate						
								Longitudinal sample plate	Transverse sample plate	Yield strength in MPa	Tensile strength in MPa	Ratio yield strength to tensile strength	Fracture elongation in %	Yield strength in MPa	Tensile strength in MPa	Ratio yield strength to tensile strength
A	A1	2,8	1300	800 - 815	5,6	2,36	300	356	639	0,53	23	317	620	0,51	21	5
	A2	2,6	1280	800 - 815	5,7	2,32	300-320	423	621	0,52	23	335	629	0,53	21	5
	A3	2,6	1280	800 - 815	5,7	2,32	300-320	319	636	0,53	27	329	604	0,54	23	5
B	B1	2,2	1260	800 - 815	6,1	2,16	280-300	-	-	-	-	324	572	0,57	24	5
	B2	2,1	1254	800 - 815	6,4	2,06	360/315/350	384	584	0,66	18	359	597	0,57	17	5

\* Successful operation.  
\*) Not successful operation (Tensile strength and fracture elongation low).

### Chemical Composition

Heat	C	Mn	Si	Cr	C <sub>eq</sub>
A	0,068	1,13	0,406	0,014	0,025
B	0,061	1,16	0,371	0,273	0,036